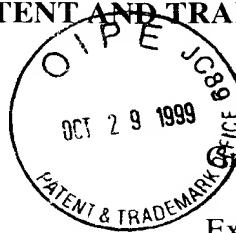


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: YU *et al.*

Application Serial No.: 09/246,129

Filed: February 8, 1999



Group Art Unit: 1646

Examiner: Draper G.

For: **TUMOR NECROSIS FACTOR-GAMMA** Atty. Docket No.: PF141P4

FEE TRANSMITTAL SHEET

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The fee required to be filed with the accompanying amendment of even date herewith concerning the above-identified application has been estimated to be \$ 438.00.

The claim amendment fee has been estimated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY		
Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Add. Fee	or	Rate	Add. Fee
Total 61	Minus 41	= 20	X9 \$ **	X18	\$ 360.00		
Indep 7	Minus 6	= 1	X39 \$ **	X78	\$ 78.00		
First Presentation of Multiple Dep. Claims			+ 130 \$ **	+ 260	\$ **		
			Total \$ **	or	Total	\$ <u>438.00</u>	

Please charge the required fee, and any other fee deemed necessary, to Deposit Account No. 08-3425. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: 10/29/99


Joseph J. Kenny
(Reg. No. 43,710)
Agent for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (301) 610-5800

Enclosure

Applicant Copy

1646

BIOTECHNOLOGY
SYSTEMS
BRANCH

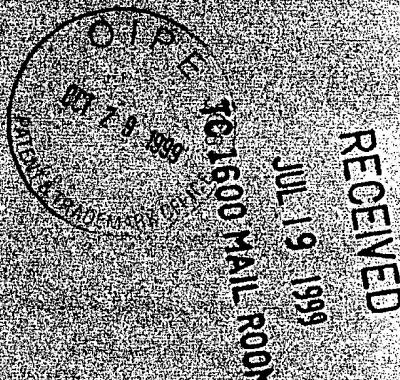
RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/241,129

Art Unit / Team No: 0106

Date Processed by STIC: 2/17/99



THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/246,129

DATE: 02/17/1999
TIME: 15:43:43

Input Set: I246129.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

1 <110> Yu, Guo-Liang
2 Ni, Jian
3 Rosen, Craig A.
4 Zhang, Jun
5 <120> Tumor Necrosis Factor-Gamma
6 <130> PF141P4
7 <140> US/09/246,129
8 <141> 1999-02-08
9 <150> 60/074,047
10 <151> 1998-02-09
11 <150> 09/131,237
12 <151> 1998-08-07
13 <150> 09/005,020
14 <151> 1998-01-09
15 <150> 08/461,246
16 <151> 1995-06-05
17 <150> PCT/US94/12880
18 <151> 1994-11-07
19 <160> 24
20 <170> PatentIn Ver. 2.0

Does Not Comply
Corrected Diskette Needed

RECEIVED
JUL 19 1999
TC 1500 MAIL ROOM

ERRORRED SEQUENCES FOLLOW

21 <210> 24
22 <211> 458
23 <212> DNA
24 <213> Homo sapiens
25 <220>
26 <221> misc_feature
27 <222> (9)
28 <223> n equals to a, t, g, or c
29 <220>
30 <221> misc_feature
31 <222> (112) *'a' is at location 112 - do you mean 'n' at location 12?*
32 <223> n equals to a, t, g, or c
33 <220>
34 <221> misc_feature
35 <222> (119)
36 <223> n equals to a, t, g, or c
37 <220>
38 <221> misc_feature
39 <222> (303)

(next page)

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/246,129

DATE: 02/17/1999
TIME: 15:43:43

Input Set: I246129.RAW

40 <223> n equals to a, t, g, or c
41 <220>
42 <221> misc_feature
43 <222> (311)
44 <223> n equals to a, t, g, or c
45 <220>
46 <221> misc_feature
47 <222> (387)
48 <223> n equals to a, t, g, or c
49 <220>
50 <221> misc_feature
51 <222> (409)
52 <223> n equals to a, t, g, or c
53 <220>
54 <221> misc_feature
55 <222> (425)
56 <223> n equals to a, t, g, or c
57 <220>
58 <221> misc_feature
59 <222> (424) "g" is at location 424 do you mean "n" at location 427?
60 <223> n equals to a, t, g, or c
61 <220>
62 <221> misc_feature
63 <222> (453)
64 <223> n equals to a, t, g, or c
65 <400> 24

W--> 66 ggcacagcng gnagtagggg gcattccaca gggacaacgg tttagctatg aaatttgggg 60
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68 agagagcaaa tatattattt agatgggttg gaggattggc gagtttctaa atattaagac 180
69 actggatcac tgaaatgaat ggatgatcta ctcgggtcca ggattgaaag agaaatattt 240
70 caacaccttc ctgctataca atggtcacca gtggtccagt tattttcca atttggatcc 300
W--> 71 atnaatttgc nttaatttcc aggagctttg gaaggaattc caaggaaagc tccaggaaaa 360
W--> 72 ccgtattaaa ctttccaggg qccaaantcc ttcaccaatt ttttccacna actttccagg 420
W--> 73 cctgnnccaa aaaaatggaa agggagttgg tangtccc 458
E--> 74
75

① delete this at end of file
②

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION US/09/129,129

TIME:

Input Set: I246129.RAW

Line ? Error/Warning

Original Text

66 W "N" or "Xaa" used: Feature required
67 W "N" or "Xaa" used: Feature required
71 W "N" or "Xaa" used: Feature required
72 W "N" or "Xaa" used: Feature required
73 W "N" or "Xaa" used: Feature required
74 E Number of Bases conflict w/ Running Total 1

ggcacagcng gnagtagggg gcattccaca gggacaaac
ccccaaaattt cacacttcat gtgccttact gatgagag
atnaatttgc nttcaattcc aggagcttg gaaggaat
ccgtattaaa ctttccaggg gccaaaantcc ttcaccaa
cctgnncncaa aaaaatggaa agggagttgg tangtccc